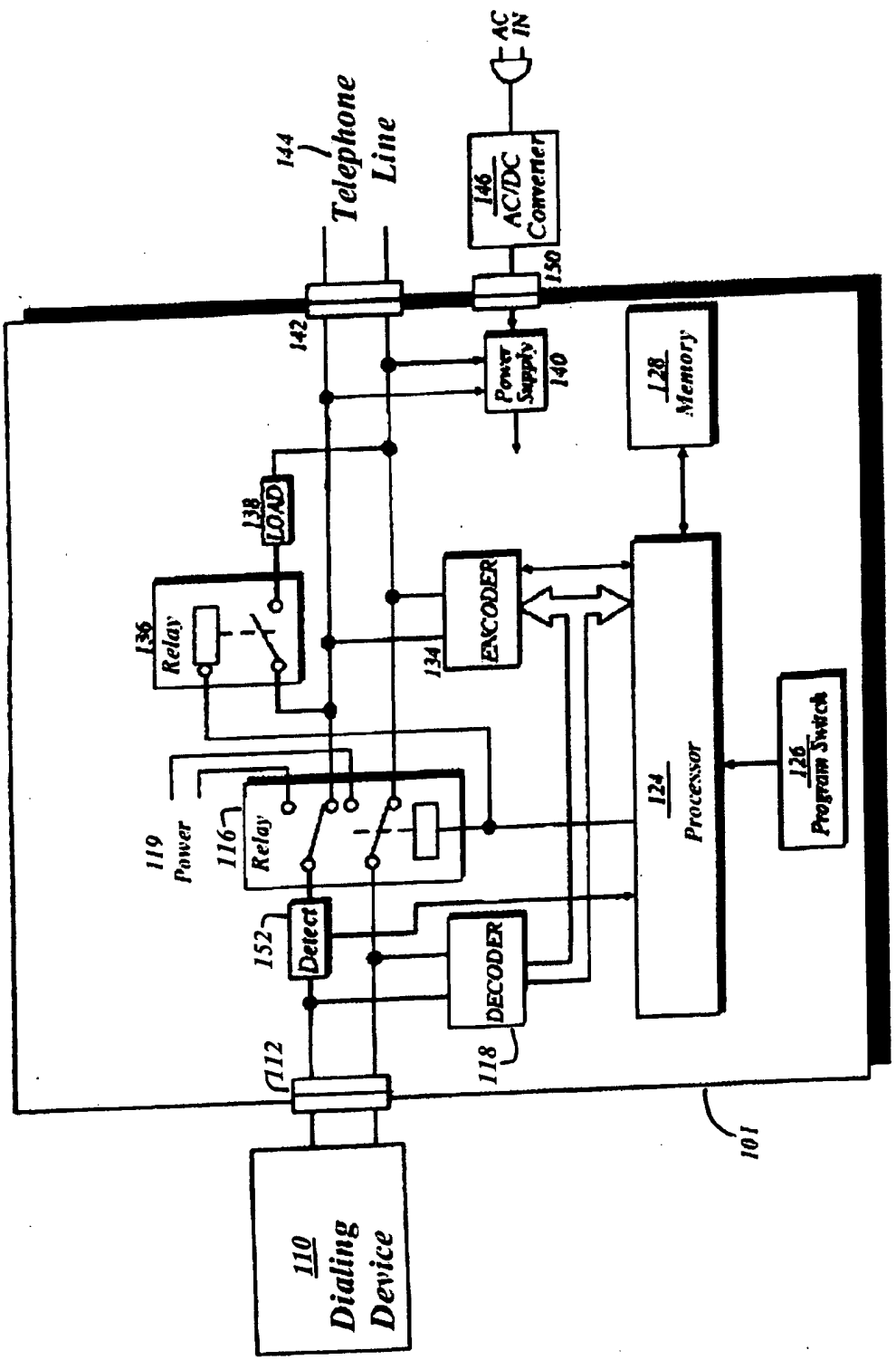
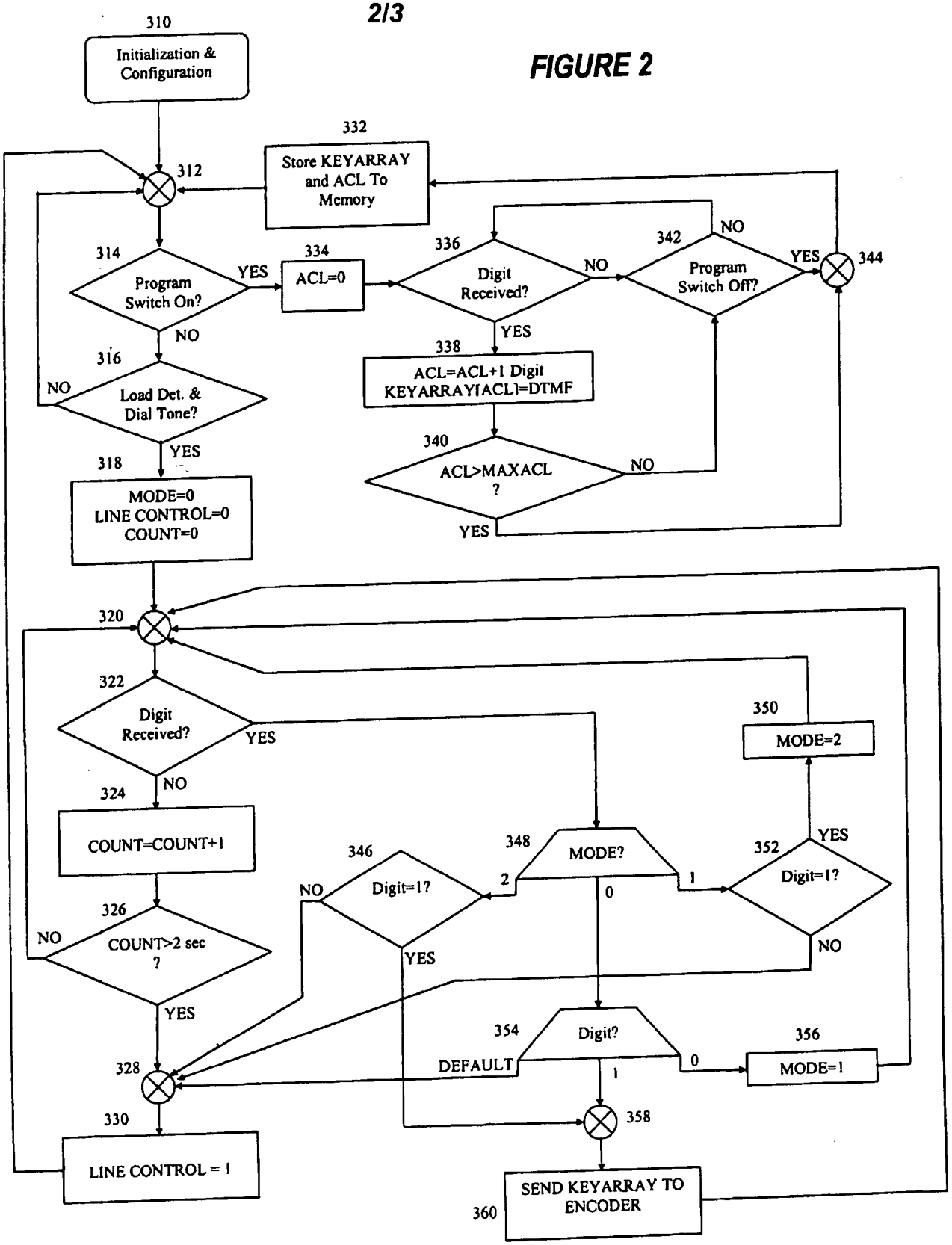

110
Dialing
Device
112
118
DECODER
152
Detect
119
Power
116
Relay
136
Relay
138
LOAD
134
ENCODER
142
144
Telephone
Line
140
Power
Supply
150
146
AC/DC
Converter
AC
IN
128
Memory
124
Processor
126
Program Switch
101

FIGURE 1

FIGURE 2


310
Initialization & Configuration
312
332
Store KEYARRAY and ACL To Memory
314
Program Switch On?
YES
NO
334
ACL=0
336
Digit Received?
NO
YES
342
Program Switch Off?
NO
YES
344
316
Load Det. & Dial Tone?
NO
YES
318
MODE=0
LINE CONTROL=0
COUNT=0
338
ACL=ACL+1 Digit
KEYARRAY[ACL]=DTMF
340
ACL>MAXACL ?
NO
YES
320
322
Digit Received?
YES
NO
350
MODE=2
324
COUNT=COUNT+1
348
MODE?
2
1
0
346
Digit=1?
NO
YES
352
Digit=1?
YES
NO
326
COUNT>2 sec ?
NO
YES
354
Digit?
DEFAULT
0
1
356
MODE=1
328
330
LINE CONTROL = 1
358
360
SEND KEYARRAY TO ENCODER

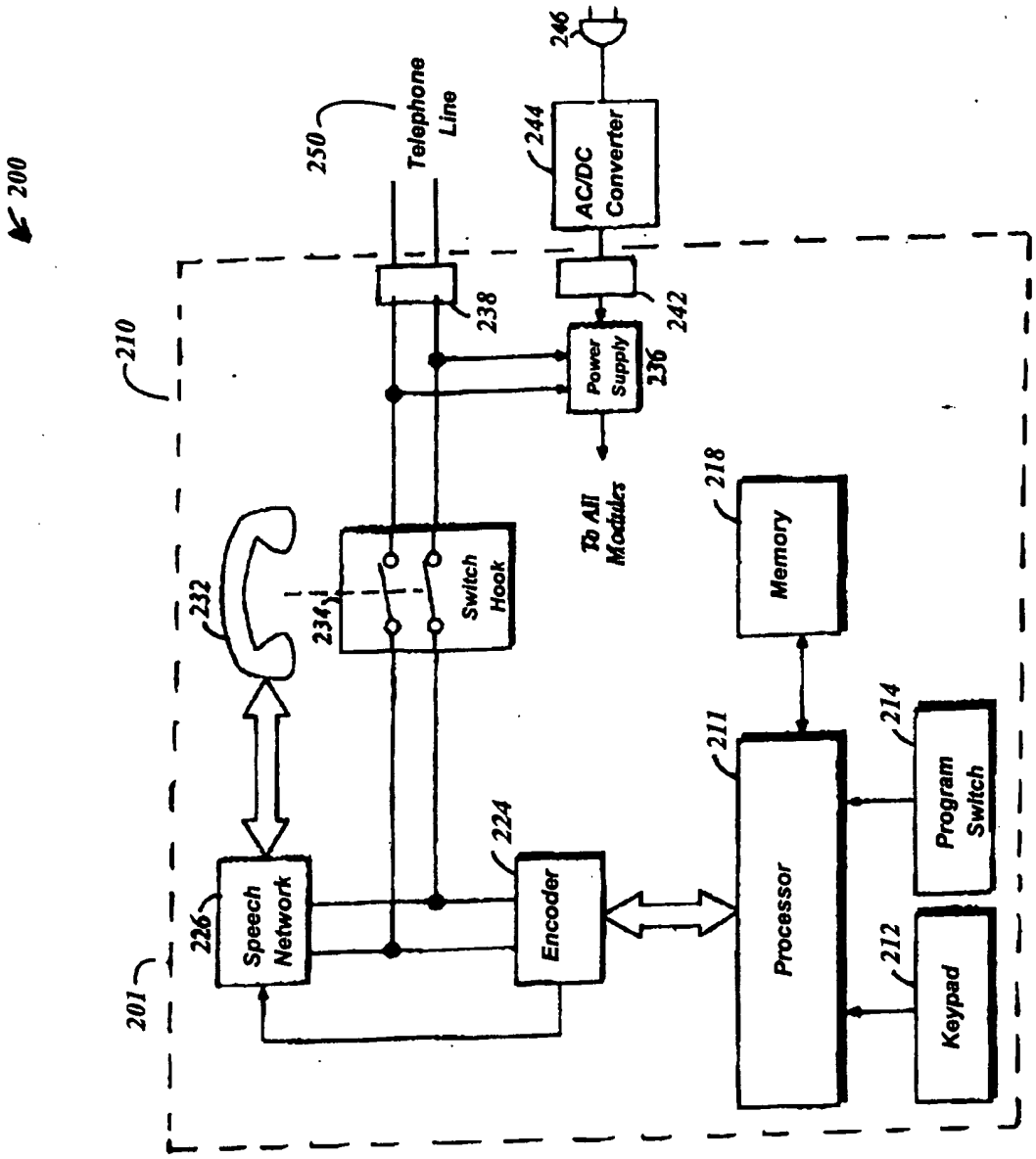

200
210
201
250
Telephone Line
246
244
AC/DC Converter
238
242
Power Supply
236
To All Modules
218
Memory
232
234
Switch Hook
224
Encoder
226
Speech Network
211
Processor
214
Program Switch
212
Keypad

FIGURE 3